

*Chapter 21: Convex Optimization Problems.* 21.1. Introduction. 21.2. Convex functions. 21.3. Optimization of convex functions. *Chapter 22: Algorithms for Constrained Optimization.* 22.1 Projected gradient methods. 22.2. Penalty methods. *Bibliography. Index.*

**C.A. Knoll, M.D. Shaw, J. Johnson and B. Evans (Discovering Calculus with Mathematica) (Wiley, New York, 1995) 340 pages**

*Preface. Introduction. Chapter 1: Functions and Graphs. Chapter 2: Limits. Chapter 3: Differentiation. Chapter 4: Applications of the Derivative. Chapter 5: Riemann Sums and Integration. Chapter 6: Applications of the Integral. Chapter 7: Logarithmic and Exponential Functions. Chapter 8: Hyperbolic and Inverse Trigonometric Functions. Chapter 9: Numerical Integration. Chapter 10: Improper Integrals. Chapter 11: Infinite Series. Chapter 12: Polar Coordinates and Parametric Equations. Chapter 13: Vectors and Vector Valued Functions. Chapter 14: Partial Derivatives. Chapter 15: Multiple Integrals and Line Integrals. Chapter 16: Differential Equations.*

**D. Quinney and R. Harding (Calculus Connections A Multimedia Adventure) (Wiley, New York, 1996) 120 pages**

*Preface. Chapter 1: Lines, Functions, and Equations. Chapter 2: Limits. Chapter 3: Rates of Change and Differentiation. Chapter 4: Transcendental and Inverse Functions. Chapter 5: Applied Maximums and Minimums. Chapter 6: Areas as Limits. Chapter 7: Fundamental Theorem of Calculus. Chapter 8: Mean-value Theorem for Integrals.*